## AMENDMENTS TO THE CLAIMS

- (currently amended) A discrete electro-mechanical device, comprising:
  a structure including a control structure, the control structure including an electricallyconductive trace;
- a defined patch of nanotube fabric disposed in spaced relation to the trace control structure, the nanotube fabric comprising a film of nanotubes; and
  - wherein the defined patch of nanotube fabric is electromechanically deflectable between a first and second state, wherein in the first state the nanotube article is in spaced relation relative to the trace control structure, and wherein in the second state the nanotube article is in contact with the trace control structure; and
  - a low resistance signal path in electrical communication with the defined patch of nanofabric.
- 2. (original) The discrete electro-mechanical device of claim 1 wherein the low resistance signal path is a metal signal path in contact with the defined patch of nanotube fabric.
- 3. (original) The discrete electro-mechanical device of claim 1 wherein the structure includes a defined gap into which the electrically conductive trace is disposed, wherein the defined gap has a defined width, and wherein the defined patch of nanotube fabric spans the gap and has a longitudinal extent that is slightly longer than the defined width of the gap.
- 4. (withdrawn) A discrete electro-mechanical device, comprising:
  - a structure including a first and second electrically-conductive trace disposed substantially parallel to one another and in a spaced relation relative to one another;
  - a defined patch of nanotube fabric disposed between the first and second trace and extending substantially perpendicular to the first and second traces, wherein the defined patch of nanotube fabric is electromechanically deflectable into contact with at least one of the first and second traces in response to electrical stimulation of at least one of the first and second traces relative to the defined patch of nanotube fabric; and

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- a low resistance signal path in electrical communication with the defined patch of nanofabric.
- 5. (withdrawn) The discrete electro-mechanical device of claim 4 wherein the low resistance signal path is a metal signal path in contact with the defined patch of nanotube fabric.
- 6. (withdrawn) The discrete electro-mechanical device of claim 4 wherein the structure includes a defined gap into which one of the electrically conductive trace is disposed, wherein the defined gap has a defined width, and wherein the defined patch of nanotube fabric spans the gap and has a longitudinal extent that is slightly longer than the defined width of the gap.
- 7. (withdrawn) A device, comprising:
  - a structure defining a gap having a gap width;
- a defined segment of nanotube fabric, disposed on the structure and spanning the gap, the nanotube fabric segment including a plurality of nanotubes, at least some of said nanotubes having a length in excess of the gap width; and
- a clamp, disposed at each of two ends of the nanotube fabric segment and disposed over at least a portion of the nanotube fabric segment substantially at the edges defining the gap.
- 8. (withdrawn) The device of claim 7, wherein the clamp is made of electrically-conductive material.
- 9. (withdrawn) The device of claim 7, wherein the clamp is made of electrically-insulative material having a via therethrough filled with electrically conductive material to provide an electrical communication path with the nanotube fabric segment.
- 10. (withdrawn) The device of claim 9 wherein the via is filled with metal to provide a metallic signal path to the nanotube fabric segment.

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11. (withdrawn) The device of claim 9 wherein the nanotube fabric segment is made of a

nanofabric having a porosity and wherein the electrically conductive material filling the via also

fills at least some of the pores of the of the nanotube fabric segment.

12. (withdrawn) The device of claim 7, wherein the nanotube fabric segment has a

lithographically-defined shape.

13. (withdrawn) The device of claim 7, further comprising an electrically-conductive trace

disposed in the gap and being in spaced relation with the nanotube fabric segment.

14. (withdrawn) The device of claim 7 wherein the clamp is a structure defining a second

gap above the nanotube fabric segment and wherein the gap and the second gap each have

respectively a conductive trace disposed therein.

15. (withdrawn) The device of claim 7 wherein the nanotube fabric segment is made of a

nanofabric having a porosity and wherein the clamp is made of material that fills at least some of

the pores of the of the nanotube fabric segment.

16. (withdrawn) The device of claim 7 further including at least one electrically conductive

trace in spaced relation relative to the nanotube fabric segment and wherein the nanotube fabric

segment is electromechanically deflectable into contact with trace in response to electrical

stimulation of the trace and nanotube fabric segment.

17. (withdrawn) The device of claim 16 wherein the contact with the trace is a non-volatile

state.

18. (withdrawn) The device of claim 16 wherein the contact with the trace is a volatile state.

19. (withdrawn) The device of claim 16 wherein the at least one electrically conductive trace

has an interface material to alter the attractive force between the nanotube fabric segment and

the electrically conductive trace.

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- 20. (withdrawn) A method for making a device, comprising: providing a structure having a gap of defined width; forming a region of sacrificial material in the gap; forming a nanotube fabric segment over the structure and region of sacrificial material; at each end of the nanotube fabric segment providing a clamp over at least part of the nanotube fabric segment substantially at the edges defining the gap; and removing the region of sacrificial material so that the nanotube fabric segment is suspended over and spanning the gap, clamped at each end of the article.
- 21. (withdrawn) The method of claim 20 wherein the defined length of the nanotube fabric segment slightly exceeds the width of the gap.
- 22. (withdrawn) The method of claim 20 wherein the clamp is formed of insulative material.
- 23. (withdrawn) The method of claim 20 wherein the clamp is formed of electrically conductive material.
- 24. (withdrawn) The method of claim 20 wherein forming the nanotube fabric segment includes forming a matted fabric of nanotubes and removing a portion of the fabric to yield the nanotube fabric segment.
- 25. (withdrawn) The method of claim 24 wherein removing a portion of the fabric includes lithographically patterning and etching the fabric.
- 26. (withdrawn) The method of claim 20 wherein the nanotube fabric segment is made of a porous nanofabric and wherein providing the clamp includes providing material that fills at least some of the pores of the nanotube fabric segment.
- 27. (withdrawn) The method of claim 20, wherein the clamp is made of electricallyinsulative material and the clamp is provided with a defined via therethrough, and wherein the

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method further includes filling the via with electrically conductive material to provide an electrical communication path with the nanotube fabric segment.

- 28. (withdrawn) The method of claim 27 wherein the via is filled with metal to provide a metallic signal path to the nanotube fabric segment.
- 29. (withdrawn) The method of claim 27 wherein the nanotube fabric segment is made of a nanofabric having a porosity and wherein the electrically conductive material filling the via also fills at least some of the pores of the of the nanotube fabric segment.
- 30. (withdrawn) The method of claim 20, further comprising providing an electrically-conductive trace in the gap so as to be disposed under the region of sacrificial material.
- 31. (withdrawn) The method of claim 20 wherein providing the clamp includes forming a structure defining a second gap above the nanotube fabric segment and wherein the method includes providing an electrically-conductive trace in the gap and the second gap.
- 32. (new) The discrete electro-mechanical device of claim 1 wherein the control structure includes an insulating layer disposed on a surface of the electrically-conductive trace facing the defined patch of nanotube fabric.